To: Schumacher, John[jschu@usgs.gov]

From: Vann, Bradley

Sent: Wed 7/29/2015 7:20:37 PM

Subject: FW: FW: Work Plan for Additional Characterization of Areas 1 and 2

Work Plan Addl A1 and A2 Characterization 7-06-15 reduced-john.pdf

John, see your first inserted comment on page 9. Thanks.

Bradley Vann - Remedial Project Manager

U.S. Environmental Protection Agency

Superfund Division

Missouri/Kansas Remedial Branch

11201 Renner Blvd.

Lenexa, KS 66219

Phone: 913-551-7611

Fax: 913-551-9611

Cell: 816-714-0331

From: Schumacher, John [mailto:jschu@usgs.gov]

Sent: Friday, July 17, 2015 3:22 PM

To: Vann, Bradley

Subject: Re: FW: Work Plan for Additional Characterization of Areas 1 and 2

Brad,

Wish I had a couple more hours to dig through some more of the literature. Seems like they are thinking a bit more there days. Here are some thoughts literally thrown together.....

On Mon, Jul 13, 2015 at 8:48 AM, Vann, Bradley < Vann. Bradley@epa.gov > wrote:

John,

Per EPA's direction, the parties submitted a work plan addendum to perform additional sampling in both areas 1 and 2. We had directed the additional borings to help tighten up the RIM volume estimates for the partial and full excavation remedial options. Parties have also included additional RIM characterization approved for chasing RIM in Area 1 (or what is RIM rad versus MLFW). All of that is fine; however, they also have included sampling to support the fate and transport modeling (see pages 6 and 7 and tables 1 and 2). Can you take a quick look at those parts and give me your feedback this week by any chance?

Thanks,

Bradley Vann - Remedial Project Manager

U.S. Environmental Protection Agency

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11201 Renner Blvd.

Lenexa, KS 66219

Phone: 913-551-7611

Fax: 913-551-9611

Cell: 816-714-0331

From: Paul Rosasco [mailto:paulrosasco@emsidenver.com]

Sent: Monday, July 06, 2015 7:49 AM **To:** Vann, Bradley; Muenks, Shawn

Cc: McGahren, John; Russell R. Eggert; 'Guariglia, Dale'; 'Beck, Bill (LG)'; 'Johnson,

Nicholas R. (LG)'; Merrigan, Jessie; Steve Miller; Benco, Joe; Dupre, Phillip R (ENRD); Dan Feezor; 'Mike Bollenbacher'; 'Peter J. Carey'; Bob Jelinek Subject: Work Plan for Additional Characterization of Areas 1 and 2 Mr. Vann, Attached please find the Work Plan for Additional Characterization of Areas 1 and 2. Please let us know if you have any questions or would like to discuss this work plan or any other aspect of the work at the Site. Thank-you, Paul Paul V. Rosasco P.E. Engineering Management Support, Inc. 7220 West Jefferson Avenue, Suite 406 Lakewood, CO 80235 Office (303) 940-3426 ext. 5 Mobile (303) 808-7227 paulrosasco@emsidenver.com

This email has been checked for viruses by Avast antivirus software. www.avast.com

John G. Schumacher Chief, Hydrologic Investigations U.S. Geological Survey Missouri Water Science Center 1400 Independence Road Rolla, MO 65401 573.308.3678 573.308.3645(fax)

email: jschu@usgs.gov